PROFESSOR AND MRS. MAXIM DO SUMMER COOKING WITH POWDER.

Inventor of Maximite Uses High Explosives as His Neighbors Use Gasoline-He Has Taught His Wife to Heat Water With Smokeless Powder and Nitroglycerin.



MR. AND MRS. MAXIM AT LUNCH, MAKING WELSH RAREBIT OVER NITRO-GLYCERIN.

sive, a like quantity of which would be sufficient to wreck the mightiest battleahlp. Then, again, Mr. Maxim can use nitro-

piveerin as a substitute for alcohol in his chafing-dish when making a Welsh rarebit. All of this, of course, is done in the way of demonstration, and what the inventor can do with these dendly agents seems nothing short of marvelous to the lay

A few years ago dynamits was the most deadly explosive known to science and in

Maximite is 50 per cent more powerful than dynamite and considerably more powerful than pure nitroglycerin. It can be In general appearance it somewhat resem-

bles sulphur. Recently Mr. Maxim invited the writer to

A camera is a good thing to have with you when visiting a man whose work and inventions stand before the public as prominently as Mr. Maxim's, for, notwithstanding the accuracy of one's statements, there is always some one who will question them.

aristocratic section of Brooklyn. The visitof assends massive brown-stone steps, enters a very cozy hallway and is unexpectedly faced by two rapid-fire guns, over which rest the curtridge belts loaded with the dondly missiles that are shot at the rate of 600 a minute.

Mr. Maxim lives in Sterling place, in the

When the writer called he detected the faint odor of burning powder. "Come right in," sang out Mr. Maxim

from the rear rhom. The way thence was between projectile heads, suspended guns and various enginess of warfare. The inventor was playing with an old mintiock blunderhuss like a boy with a toy pistol and banging away into the air the effect of various kinds of smoke-

A glance around the room revealed at every jura all sorts of guns, pistols, projecammunition and deadly war parapherhalia, suntil the thought arose as to whether this was a residence or an arsenal.

A peep into the reception room through the heavy silk portieres, however, dispelled all doubt, as it was charmingly furnished with dainty china cabinets, expensive brica-brac, gilt chairs and other articles dear

A few American flags that hung about evidenced the high patrotle spirit of Mr. Maxim, and, as his charming wife is an Englishwoman, the emblems of the two great nations are artist'cally draped at the

This odd collection of deadly war trappings and beautiful home decorations, to-

gether with a large library of books, give character to the city home of Hudson Maxim, inventor of smokeless powder, Maxi-mits, motorite and other compounds that have taken their place at the head of the list of high explosives. AT HOME ARONG EXPLOSIVES.

Mr. Maxim is as much at home among his high explosives and modern shells as a cook in her kitchen is with the foodstuffs, and the ease and freedom with which he handles them is awe-inspiring and tascinating in the extreme. In the simplest language possible he takes pleasure in explaining many things that show how deeply he has studied the

that show how deeply he has studied the matter.

In the rear of the house there is a brick laboratory, with a large skylight in the top, where Mr. Maxim "looss over things" occasionally, and it is here that Mrs. Maxim often helps blun in some things of which the average woman has fittle of no idea, as one of his hands was bown of while perfecting the compound that led to the discovery of Maximite, it is not possible for him to get along as well in some of his work, as, for listance, in the fitter of fulminate of mercury detonating caps. Mrs. Maxim here lands her sid.

This is a very dangerous operation, as the fulminate is packed closely under a pressure of 2500 pounds in small steel cytholers, and should the slightest cramb of mercury adhere to the thread and be excluded by friction when the plug is growned in there is no

New York, July 23.—Hudson Maxim, inventor of the wonderful explosive Maximality, and the brother of Sir Hiram Maxim, is able to do much of his housekeeping with the sid of high explorites.

For instance, he can cook eggs or brail a steak over the flame of his burning explosive, a like quantity of which would be sufhe grate.

' raid Mr. Maxim, "I suppose you ke to see Maximite melt like wax, se oil and become soft like molasses no be poured out of a saucepan into a le head?" And with that he delibdroped some lumps of it into a fry and preceeded to demonstrate his

While it was burning in the frying-pan ith a bright greenish flame, he fried eggs in another pan over the heat generated by

ing to see this material adapting itself to domestic uses when at another time and under different conditions it is a most destructive shattering force.

"It's against my principles to smoke in the laboratory," said Mr. Maxim as he produced a cigar, "but I feel like smoking just now, but will not invite you to join me here, however.

however.

It flashed across the visitor that he might join the inventor somewhere else in a few seconds, but he said nothing—he was speccilless with his eyes riveted upon this man with a nerve of steel who had taken a stick of Maximite, lift it in the fire and coelly proceeded to light the cigar, as composedly as it had been a lucifer match. While he was preparing to load a protectile with the moiten Maximite the visitor had decided to use the flashilght to insure a better photograph.

It later developed that flash powder and other explosives do not live peacefully un-

It later developed that flash powder and other explosives do not live peacefully unier the same roof, especially when one of hem is on the warpath.

Aft. Maxim had removed the pan full of fluid and was about to pour it into the dug end of the projectile when he changed o look up just as the trigger was about to e judied.

be pulled.

"Hold on there man!" he yelled.

And with blanched face he jumped upon the bench near the camera, removed two cans from the shelving overhead and deposited them at the other side of the room. After the picture had been made he was asked the reason for the hasty move.

"Well." said Mr. Maxim, "if your flashfire had soared over those cans of fulminate, you see "—

you see"

And here he looked thoughtfully up through the skylight as though contemplating how far that charge would have projected two bodies averaging 15 pounds, specific gravity so much, resistance so much and sayon.

MIXTURE CONTAINED FULMINATE. He explained that as it was a compound ontaining fulminate that caused the loss of his hand, he had since then respected the stuff more than formerly.

his hand, he had since then respected the stuff more than formerly.

To more clearly demonstrate the nonexplosive and insensitive nature of Maximite, a dipper of lead was melted over the now raging fire in the store, and with perfect composure Mr. Maxim poured the contents of a few hard and cold lumps of Maximite. The same quantity detonated in a densely packed shellhead would have rent a three-inch fiarveyized nickel steel plate.

Having taken up considerable time in the laboratory, it was now lunch time, and after a cordial invitation to join them, Mr. and Mrs. Maxim and the visitor sat down to lunch prepared over some compound to take the place of oil or gas, the nature of which Mr. Maxim did not wish to disclose.

He had only made a small geantity of it(and as yet it was clearly experimental. With the range fire out the dishes were washed with water brought to the boiling point in a few seconds.

The maid lit a stick of some explosive compound held at the end of a pair of tongs, and immersed it in the pen of water. In less time than it takes to tell of it the water was boiling and ready to use.

For lunch there was Welsh rarebit cooked in a silver chefing dish.

Mrs. Maxim gave an example of her material manipulation of that convenient accessory to the dining table.

When the lamp was extinguished Mr. Maxim excused himself for having forgotten to order alcohol. In place of it he had used nitroglycerin!

The first impression was that he was joking. Who ever heard of burning nitroglycerin like that, and with an open flame like alcohol?

Who ever heard of burning nitroglyc-n like that, and with an open flame like

Clubmen on Tramping Jaunt Fishkill Linding, July 25.—Albert Stewart and Arthur Blake, well-to-do young men of Brooklyn, have just reached here on a trip overland to Albany. At their clith they made a wager on the tramp.

They agreed not to take a cent with them and gurantee to earn their way. The young men are expert musicians and have been getting considerable money play-

250 WATER HEATERS FREE

We have just consummated a deal with the

LACLEDE GAS LIGHT CO.

(Under conditions the details of which can be obtained from us) whereby any lady calling at our store and making application will be presented, absolutely free of charge, with a Detroit Jewel No. 7 Gas Water Heater. Only 250 of these Heaters will be given away to the first 250 callers; after these are distributed the cost of them will be \$7.50. These Gas Water Heaters are made by the Detroit Stove Works, manufacturers of the Detroit Jewel Gas Range, which has a world-wide ! reputation, thus insuring you a perfect water-heating operator. We have connected one of these heaters at our store and demonstrations will be made to all callers.

Connections, making heater ready for use, absolutely free.

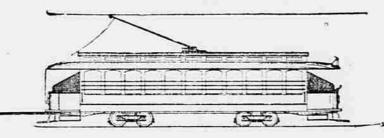
SIXTEENTH AND CASS AVENUE.



you to purchase anything to secure a Water Heater. The first 250 are ABSOLUTELY

GAS CHEAPER THAN

RETIRED MERCHANT INVENTS STREET-CAR SAFEGUARD.



Street-car spring safety guard invented by C. A. Willard of St. Louis to prevent per-sons from passing behind one car and stepping in front of another car on parallel tracks. The inventor's latest device will be worked by compressed air.

C. A. Willard Designs Rod to Be Shot Out From Rear of a Car to Save Persons From Danger on Parallel Track.

WATER HEATER.

pact made. Connected to

for use FREE.

our pressure boller ready

ons pass around the rear platform and step in front of another car approaching from the opposite direction on a parallel track, C. A. Willard of No. 5344 West Cabanne avenue has invented a device to serve as an actual restraining grand as well as a warning. The device is in the form of a rod which may be shot out from the rear of a car, the rod to be more than long enough to reach across the sidewalk crossing where a car stops.

of the traffic. After witnessing several acddents he became resolved to do something.

It is estimated that about one-third of the street car accidents are caused by peosons stepping from behind one car in front of another. Mr. Willard has saved a clipping from The Republic on this subject, a motorman saying:

"I never come to a trossing to pass a halting car headed in the other direction but I imagine I will run over some one.

"That is where the greatest danger lies for running down persons. Experienced ones know that when they pass behind one car and stop on the adjoining track a car may be coming there. Not all are experienced folks are sometimes careless. They make motormen sweat blood in keeping a sharp lookout."

By the use of a tail rod, such as be has invented, Mr. Willard says these accidents would not be probable.

The rod would not be projected unless a car is approaching from the opposite direction, and, knowing this, the public would be warned. The rod fixelf would prevent a person from crossing immediately behind the car, where the danger is greatest, because a view of the other track is entirely shut off. By the time a pedestrian circled around to the end of the pole he might catch a glance of the other car, even if he were not aware that the fact of the pole be ink extended meant that there was danger.

TO PAY FOR EXPERIMENT.

TO PAY FOR EXPERIMENT. Mr. Willard last week opened negotiations with the Transit Company to give his de-

vice a trial. "I have offered to pay the expense of the experiment," said Mr. Willard, "and feel confident that a trial would show the en-tire practicability and virtue of this safe-guard. "Accidents of the bird which

"Accidents of the kind which my invention would prevent occur evey few days. I know of so many that I am deeply anxious to be of some use in preventing recurrences. Experts have prenounced the mechanism simple and effective, being worked by compressed air, with which modern street cars are equipped. It is also operated just as easily by electricity.

"I am in correspondence with Eastern lines, and also with parties in Cleveland, O., who inderse the apparatus, and say that it would reduce accidents by one-third This is all I care for, I desire to prevent so many persons from losing their lives or being crippled."

APP. At Person when the safety is a series of the provided to all who want to step the drink sabit and still possess some will and conscience.

JOCKEY EARL TURNS BURGLAR.

Clever California Rider Arrested for Breaking Into House.

REPUBLIC SPECIAL.

San Francisco, Cal., July 25.—Arthur Earl, a clever Western tockey, formerly in the



quickness of action is designed to those to the struck by the pole to take it impossible for a person to get behind a car in time to be struck by the pole of rod.

Worm to it to take it which would be required to throw the Motormer would be required to throw the Motormer would be required to throw the Motormer would be required to throw the rod into position before reaching a crossing whenever a car is approaching from an opposite direction on the adjoining track. The patents were granted recently and Mr. Willard is now negotiating with various street railway systems to place the device in use on many lines.

The inventor is a retired lumber merchant, in the rear reliway systems to place the device in use on many lines.

The working on the device he has thought life and limb.

WITNESSED ACCIDENTS.

Living in the West End and using a constantly on comparation up to the traff.

The traffic of the county line in the traffic or the county line in the

esting institution for the promotion of temperance and sobriety.

It originated here in 1509 and has not only

temperate by force, but by moral suasion only.

It assists its members in securing employment, takes care of its sick and buries its dead.

It has the indorsement of all religious denominations and the good will of all right-thinking persons.

One of its advantages is that it keeps no oppressive obligation hanging over the head of an individual. He is not bound for any specified time; he can quit whenever he may choose. It is wonderful what an effect this complete liberty has on men. Many a time a member has said:

"I will resign hext week," but when the

time a member has said:

"I will resign next week," but when the time comes he postpones for another week, and so goes on for years, knowing he can quit at any time. It has made an excellent record in this city, and is heartily commended to all who want to stop the drink habit and still possess some will and conscience.

persons from losing their lives or being crippled.

A. B. du Pont, vice president, and John Grant, superintendent of the Transit Company, have taken Mr. Willard's invention under advisement, but are not yet ready to give a decision.

As an advantage to street railway service, Mr. Willard points out that the device would enable the cars to make better schedules. He says:

"It is of the utmost importance to move cars rapidly and regularly.

"To this end carefully calculated schedules are arranged, but cannot be enforced owing to the loss of time in slowing down on meeting cars from which passengers are alighting: the passengers not seeing the approaching danger, are liable to step in front of a moving ear, just as are ordinary pedestriaus, who reach a crossing and attempt to pass behind a car that has stopped.

"The use of the safety guard saves this loss of time, and makes possible a regular loss of time, and makes possible a regular loss of the was doing when he broke into the house, a clever Western jockey, formerly in the employ of Burns & Waterhouse, was arrested by Sergeant Christensen on a charge of burglary for breaking into a house at Stockton place.

Mrs. W. Wade, the landiady, discovered Earl in one of the back rooms. He had entered by forcing open a window. At the time he was engaged in searching a bureau drawer. Before he could get away Sergeant Christensen on a charge of burglary for breaking into a house at Stockton place.

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Sk silk hamikerchlefs were found in his possesison.

Since his return here?

AMAZING FREAK OF LIGHTNING BOLT.

Every Stitch of Clothing Is Torn From Body of a New

SHOCK ONLY STUNS HIM.

Nine Other Children Are Struck While Playing Under Tree In Rear Court of Apartment House.

New York, July 25 - 'Gee, mon,' said Willie McComb, relating to his mother how the bolt of lightning struck him and nineteen boy and girl companions in the Mc-Comb back yard at Two Hundred and Second street and Anthony avenue, the Bronx, "first I felt hot, then I saw a whole lot of angels, and then I got cold as ice, and after

It is regarded as most amazing that not !

Several feet of bark were stripped from the chestnut tree under which the children were playing and a hole three feet deep plowed in the earth immediately be

All of the children were stunned and nine of them burned to such an extent that the services of a physician were necessary. But only Willie McComb and his sister, Sudle, who is 15 years old, Willie being 13, were

Sadie was also kept in bed, suffering from the shock which followed her experience. WERE DANCING 'ROUND TREES.

ST. LOUIS GIRL ATTENDS DANCE IN SOUTHERN JUNGLE

Miss Nanka Estelle Faucette Entertained by Schoolmate at Famous Home of Colonel Henry Clay Moore in Mississippi-3,262 Varieties of Reptiles, Birds and Be asts, Looking Natural, Surround

Washington avenue, a well-known young of Miss Caffey, who brought her into the presence of her chum at the dance. The visit was a complete surprise to Miss Caffering Miss and the state of the control o

musician, recently returned from a trip to Corinth, Miss., where she attended a reception in the jungle of Henry Clay Moore, the Southern millionaire.

As the dancers floated about in the mazes of waltzes or two-steps their gaze fell upon 2.22 varieties of beast, bird and reptile, perched in attitudes as natural as when shot down in their native haunts.

The dance was conceived by Miss Bonitha Caffey, niece of Colonel Moore, and whose guest Miss Faucette was while on her visit to Corinth. Miss Caffey and Miss Faucette attended the New England Conservatory of Music at Boston at the same time.

When the two young ladles completed their nuisic education Miss Caffey exacted a king of finance. He was associated their nuisic education Miss Caffey exacted a king of finance. He was nestedated in business with all the great African bonance do the unusual dance.

Without informing her friend tint she was conding, Miss Faucette boarded a train for Corinth and was soon speeding to the

In an instant the ground was strewn with the bodies of the little ones. Neighbors ran out quickly to their assistance, and several of the children revived and scampered away to their homes. The others were lifted up and cared for.

The McComb boy was found beneath the tree, with all his clothes torn from his back. His sister lay near-by, her clothed. it is regarded as most amazing that not one of the group of twenty children among whom the bolt struck was killed.

Several feet of bark were stripped from

His sister lay near-by, her clothing also in ribbons. Neither recovered un-til being removed to their home.

"In a minute it was all

young McComb. oung sictions. In a man a cold, we were all playing under the tree and int notice that it was getting dark. All fa sudden I saw a bright light coming lower me like a trolley car. Then my noward me like a trolley car. Then my have got hot and the next minute I saw the was on foot.

angels, and then I got cold as ice, and after that there was nothing."

"After that" the boy was picked up naked, every article of clothing having been stripped from his back by the boit and ripped into shreds, his shoes torn from his feet and his body streaked with red blotches and long red streaks from the effects of the electric current.

He was unconsclous for more than two hours, and was still in hed yesterday, but Doctor D. J. Dunn said he would be about in a day or two and would suffer no lil effects from his experience.

It is regarded as most amazing that not

Liquor Bonders to Reform. New York, July 3.—The retail liquor dealers of this State are to organize a bonding empany for liquor tax bonds to retail

of \$5.00 each will be given to the School Children of America. School Children's Competitive Advertising Contest No. 1039



Old king Cole was a merry old soul, when he wanted for his fiddlers three, but when he got hungry nothing else would he have but a big

This sketch was made by Carl Fesenfeldt, age 12, Public Schools, St. Louis, Mo. We give a cush prize of \$5.09 for any drawing of this character which we accept and use. All school children can compete. Full instructions will be found on in-side of each package of Egg-0-Sec-telling what to do to get the prize and how to make the drawings.

The difference between Egg-O-See and the ordinary flaked wheat food lies in the sanitary care used in its preparation, the selection of wheat and the purity of its flavoring. You can taste this difference.

NOTE-The price of Egg-O-See is 10 cents for a fuli-size package, such as is usually sold

for 15 cents. The largest food mill in the world, with the most approved labor-saving machinery enables us to make the best flaked wheat food at this lower price.



ASK YOUR GROCER FOR THE GREEN PACKAGE.

If your grocer does not keep it, send us his name and 10 cents and we will send you a package, prepaid. Address all communications to Battle Creek Breakfast Food Co., Quincy, Ill.

